

DATASHEET

DCC 225-6

6 V 225 AH



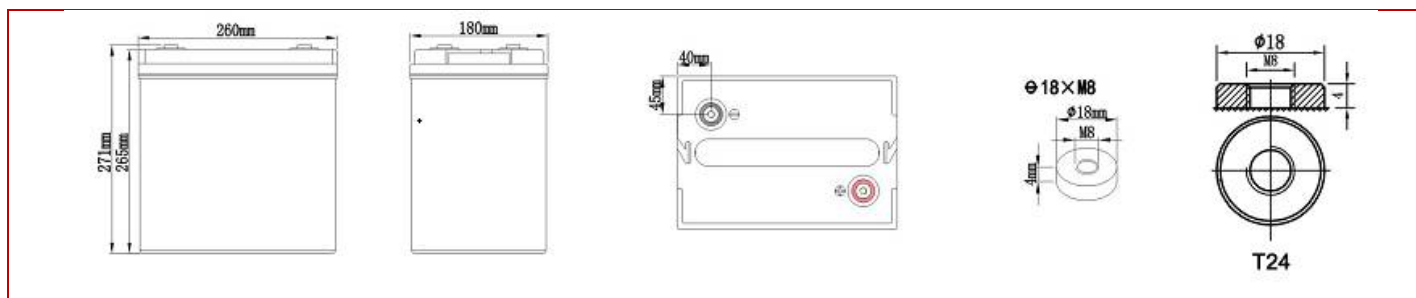
LEAD CARBON BATTERY

EUROBAT 2022 CLASSIFICATION: 15 Years – Very Long Life

Designed in accordance with IEC 60896-21/22

SPECIFICATIONS

Nominal Voltage	Nominal Capacity	Dimension ± 3mm				Weight	Short-Circuit Current	Internal Resistance	Standard Terminal	Container Material
		L	W	H	TH					
6V	225AH	260mm	180mm	265mm	271mm	31.7kg	-	≈1.65 mΩ	M8	ABS UL94-V0

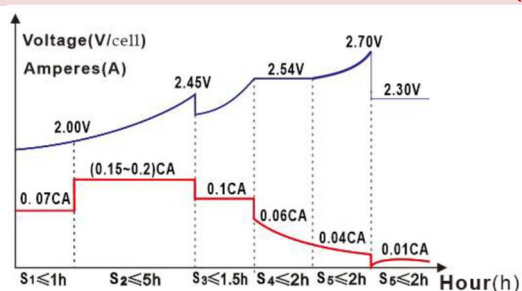
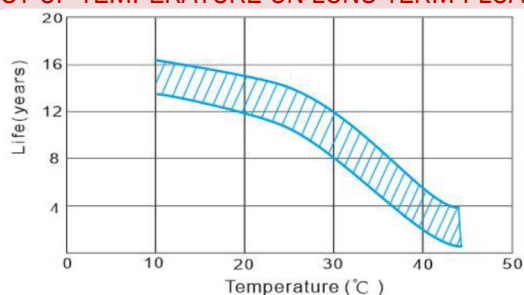


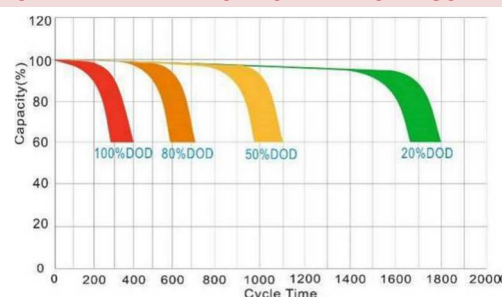
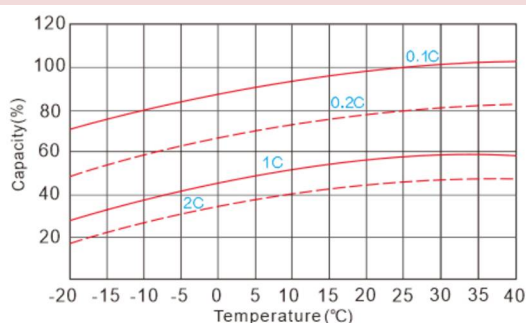
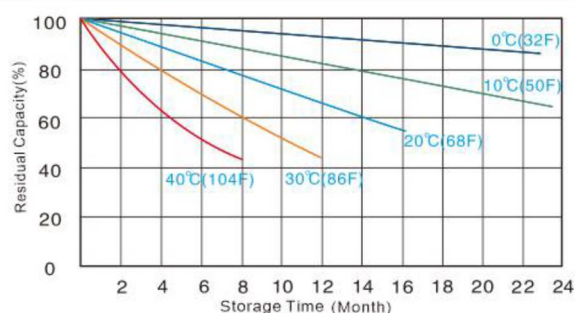
CONSTANT-VOLTAGE CHARGE

Rated Capacity	
20 hour rate (11.0A)	225.0AH
10 hour rate (22.0A)	220.0AH
5 hour rate (37.4A)	187.0AH
3 hour rate (55.0A)	165.0AH
1 hour rate (121.0A)	124.0AH
Capacity affected by temperature	
40°C (104°F)	103%
25°C (77°C)	100%
0°C (32°F)	86%

Cycle Application
1. Limit initial current less than 44A.
2. Charge until battery voltage (under charge) reaches 7.30V to 7.40V at 25°C(77°F).
3. Hold at 14.6V to 14.8V until current drop to under 1.32A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -15mV/°C.
Standby Service
1. Hold battery across constant voltage source of 6.80 to 6.90 volts with current limit 44A continuously .When held at this voltage , the battery will seek its own current level and maintain itself in a fully charge status.
2. Temperature compensation coefficient of charging voltage is -9mV/°C.

NOTE : The battery should be charged within 6 months of storage, Otherwise, permanent loss of capacity might occur as a result of sulfation.

CHARGE CHARACTERISTIC CURVE FOR CYCLE USE(IIUU)

EFFECT OF TEMPERATURE ON LONG TERM FLOAT LIFE

DISCHARGE CHARACTERISTIC (25°C/77°F)

CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE

CAPACITY CURVE AT DIFFERENT TEMPERATURE

SELF DISCHARGE CHARACTERISTICS


End Voltage (V)	Minute (M)				Hour (H)							
	10	15	30	45	1	1.5	2	3	5	8	10	20

Constant Current Discharge Data Sheet (@25°C) Unit: A

End Voltage (V)	455	370	208	161	124	99	84	57	39.5	26.5	22.6	11.6
4.80V	439	356	199	154	122	96	81	56	38.6	26.1	22.4	11.5
4.95V	419	341	190	147	120	94	80	55	38.1	25.7	22.3	11.4
5.10V	395	320	180	140	117	91	77	52	37.4	25.2	22.1	11.3
5.25V	373	303	169	131	113	88	74	51	36.0	24.6	22.0	11.2

Constant Power Discharge Data Sheet (@25°C) Unit: W

End Voltage (V)	2443	1987	1199	890	686	561	437	307	224	160	129	68
4.80V	2349	1910	1155	854	663	551	430	304	221	157	128	67
4.95V	2281	1855	1111	818	657	538	424	298	216	154	127	66
5.10V	2156	1753	1049	776	645	524	411	292	213	151	125	65
5.25V	2035	1654	994	734	627	513	407	286	205	149	124	64